

**Claims**

1. Method for synchronizing a clock of a traffic monitoring system, comprising of periodically transmitting a synchronization signal to the traffic monitoring system from a remote location, which signal forms an indication of the exact time, comparing the time indicated by the clock with the synchronization signal, and adjusting the time indicated by the clock if this differs from the synchronization signal, **characterized in that** the synchronization signal is transmitted from a satellite.

2. Method as claimed in claim 1, **characterized in that** the satellite is a navigation satellite and the location of the system is also determined from the received synchronization signal.

3. Method as claimed in claim 2, **characterized in that** the time derived from the received synchronization signal is adjusted to the location determined on the basis of the synchronization signal.

4. Method as claimed in any of the foregoing claims, **characterized in that** the operation of the traffic monitoring system is controlled on the basis of the time and/or location derived from the synchronization signal.

5. Method as claimed in claim 4, **characterized in that** a control signal is transmitted to the traffic monitoring system along with the synchronization signal.

6. System for monitoring traffic, comprising means for monitoring a traffic situation, at least one clock connected to the monitoring means and means connected to the at least one clock for synchronizing thereof, which synchronizing means are adapted to receive a synchronization signal, to compare the time indicated by the clock with the synchronization signal and to adjust the time indicated by

the clock if this differs from the synchronization signal, characterized in that the synchronizing means are adapted to receive the synchronization signal from a satellite.

7. Traffic monitoring system as claimed in claim 1, 5 characterized in that the satellite is a navigation satellite, and the synchronizing means are adapted to determine the location of the system from the received synchronization signal.

8. Traffic monitoring system as claimed in claim 7, 10 characterized in that the synchronizing means are adapted to adjust the time derived from the received synchronization signal to the location determined on the basis of the synchronization signal.

9. Traffic monitoring system as claimed in any of 15 the foregoing claims, characterized by control means which are connected to the synchronizing means and which are adapted to control the operation of the traffic monitoring system on the basis of the time and/or location derived from the synchronization signal.

20 10. Traffic monitoring system as claimed in claim 9, characterized in that the synchronizing means are adapted to receive and pass on to the control means a control signal transmitted together with the synchronization signal.

11. Traffic monitoring system as claimed in claim 9 25 or 10, characterized in that the monitoring means are adapted to record the monitored traffic situation on the basis of a recording signal which is generated by the control means on the basis of a criterion, wherein the control means are adapted to adjust the criterion to the time and/or location, 30 optionally on the basis of the control signal transmitted together with the synchronization signal.